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FROM: Winston Hsu, PATENT AGENT, REG. NO. : 41,526

SERIAL NO.: 10/708,275

ATTORNEY DOCKET NO.: ADTP0110USA

SUBJECT: INFORMATION DISCLOSURE STATEMENT

TOTAL PAGES: 46 PAGES (INCLUDING COVER PAGE)

Winston Hsu 2004/08/16

ADTP0110USA0_D1_1

PTO/SB/97 (08-03)

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APPLICATION NUMBER: 10/708,275

PAPERS INCLUDED:

(1) Transmittal Form	1 PAGE
(2) Fee Transmittal	1 PAGE
(3) Information Disclosure Statement	42 PAGES

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10708,275	
	Filing Date	02/20/2004	
	First Named Inventor	Chuan-Pei Yu	
	Art Unit	2871	
	Examiner Name		
Total Number of Pages in This Submission	44	Attorney Docket Number	ADTP0110USA

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Winston Hsu, Reg. No.: 41,526
Signature	<i>Winston Hsu</i>
Date	8/16/2004

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
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Signature		Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/708,275
Filing Date	02/20/2004
First Named Inventor	Chuan-Pei Yu
Art Unit	2871
Examiner Name	
Attorney Docket Number	ADTP0110USA

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ^o
		Country Code* Number* Kind Code* (# known)	MM-DD-YYYY			
	1	TWN-550406	09/01/2003	Fumihiko Fujishiro		+

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

5 Applicant: Chuan-Pei Yu
 Han-Chou Liu

Filing Date: 02/20/2004

Art Unit: 2871

Appl. No.: 10/708,275

Docket No.: ADTP0110USA

10

Title: LIQUID CRYSTAL DISLAY

To: Commissioner for Patents
 P.O. BOX 1450

15

Alexandria, VA 22313-1450

Subject: Information disclosure statement under 37 CFR §1.56.

20 Dear Sir/Madam:

 This is an Information Disclosure Statement (IDS) in accordance
with the duty to disclose information material to patentability under 37
CFR §1.56. The applicant wishes to make of record the documents listed
25 on the accompanying PTO/SB/08 form. It is respectfully requested that
the examiner initials the cited reference on the form, that this be made
of record in the application, and that a copy of the initialed form be sent
to the applicant with the next communication from the examiner.

30 Since this IDS is filed before the mailing date of a final action or
notice of allowance, consideration of the information disclosure
statement is hereby requested according to 37 CFR §1.97(c). Each item

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contained in the IDS was cited in communications from the Taiwan Intellectual Property Office on June 15, 2004. The applicant requests that the examiner consider the items contained in this IDS.

5 According to the requirement set forth in 37 CFR §1.98 and MPEP 609, the applicant is submitting a copy of Taiwan Patent document TP No. 550406 (filed on Mar 15, 2001) and a concise explanation of the relevance to this application hereinafter.

10 Regarding TP No.550406, Fig. 8A appears to be the most relevant drawing and discloses a liquid crystal display (LCD) 1 comprising a light source unit 4, a light diffusion plate 5, a shield rear 33, a shield center 32 which cooperates with the shield rear 33 to support the light source unit 4 and the light diffusion plate 5 such that a light emitted
15 from the light source unit 4 passes through an upper surface of the light diffusion plate 5. The light source unit 4 has a structure as illustrated in Fig. 5. As shown in Fig.5, a vacuum-insulating layer 101 is sandwiched between two light-permeable substrates 100 and 46 with sealing blocks 44a. The lower light-permeable substrate 46 belongs to
20 part of the light source structure 4, and the upper light-permeable substrate 100 is a substrate which cooperates with the lower light-permeable substrate 46 to provide a vacuum condition.

25 Claim 1 of the present application includes the above-described differences in the limitations as recited below:

1. A liquid crystal display comprising:

 a backlight unit comprising:

an optical film positioned above a light source and at least

30 **including a vacuum layer;** and

 a liquid crystal display panel positioned above the optical film;

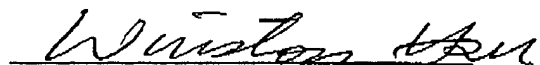
 wherein the vacuum layer is used for isolating heat generated by

the light source.

From the above it can be seen that the vacuum layer is part of the optical film, for example the vacuum layer is formed by a diffusion plate
5 and a prism, and thus the present invention is substantially different from the teachings of TP No.550406. Claims 2-12 are dependant on claim 1, and thus also include these differentiating limitations.

Sincerely,

10



Date: 8/16/2004

Winston Hsu, Patent Agent No. 41,526

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(Please contact me by e-mail if you need a telephone communication and I will return

20 your call promptly.)